

CLAIM LISTING

Please find below a complete listing of presently pending claims with status identifiers. This listing of claims will replace all prior versions, and listings, of claims in the application.

1-19. Cancelled.

20. (Previously Presented) An implantable fixed tissue comprising cross-linked elastin, wherein the elastin of the implantable fixed tissue is cross-linked with a phenolic tannin cross-linking agent, the implantable fixed tissue including a residue of the phenolic tannin cross-linking agent.

21. (Previously Presented) The fixed tissue of claim 20, further comprising cross-linked collagen, wherein the collagen is cross-linked with a glutaraldehyde cross-linking agent.

22. Cancelled.

23. (Previously Presented) The fixed tissue of claim 20, wherein the implantable fixed tissue comprises at least about 10% elastin by weight.

24. (Original) The fixed tissue of claim 20, wherein the phenolic tannin cross-linking agent is tannic acid.

25-27. Cancelled.

28. (Original) The fixed tissue of claim 20, wherein the tissue is selected from the group consisting of bovine and porcine tissue.

29. (Original) The fixed tissue of claim 20, wherein the tissue is selected from the group consisting of pericardium, aortic wall, heart valve, and vena cava tissue.

30. (Withdrawn-Currently Amended) A bioprosthesis An implantable fixed tissue comprising:

~~an implantable fixed tissue comprising~~ cross-linked elastin, wherein said elastin of the implantable fixed tissue is cross-linked with a phenolic tannin cross-linking agent, the implantable fixed tissue comprising ~~the~~ a residue of the phenolic tannin cross-linking agent; and

a bioprosthetic support material attached to the implantable fixed tissue.

31. (Withdrawn-Currently Amended) The ~~bioprosthesis~~ implantable fixed tissue of claim 30, in which the implantable fixed tissue has an elastin content of greater than about 10% by weight of the tissue.

32. (Withdrawn-Currently Amended) The ~~bioprosthesis~~ implantable fixed tissue of claim 30, in which the implantable fixed tissue further comprises collagen, wherein said collagen is cross-linked with a glutaraldehyde cross-linking agent.

33. (Withdrawn-Currently Amended) The ~~bioprosthesis~~ implantable fixed tissue of claim 30, wherein the implantable fixed tissue is an anisotropic tissue.

34. (Withdrawn-Currently Amended) The ~~bioprosthesis~~ implantable fixed tissue of claim 33, wherein the anisotropic tissue exhibits greater stiffness in a first direction and greater elasticity in a second direction.

35. (Withdrawn-Currently Amended) The ~~bioprosthesis~~ implantable fixed tissue of claim 30, wherein the tissue is selected from the group consisting of pericardium, aortic wall, heart valve and vena cava tissue.

36. (Withdrawn-Currently Amended) The ~~bioprosthesis~~ implantable fixed tissue of claim 30, wherein the tissue is porcine vena cava tissue.

37. (Withdrawn-Currently Amended) The ~~bioprosthesis~~ implantable fixed tissue of claim 30, wherein the support material comprises a stent.

38. (Withdrawn-Currently Amended) The ~~bioprosthesis~~ implantable fixed tissue of claim 30, wherein the support material comprises a suture ring.

39. (Withdrawn-Currently Amended) The ~~bioprosthesis~~ implantable fixed tissue of claim 30, wherein the ~~bioprosthesis is~~ implantable fixed tissue is a portion of a bioprosthetic heart valve.

40-46. Cancelled.

47. (Withdrawn-Currently Amended) The ~~bioprosthesis~~ implantable fixed tissue of claim 30, wherein the phenolic tannin cross-linking agent is tannic acid.